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Patent and Trademarks

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COMMENTS:

Serial No: 08/974,186
Applicant: Boyle et al.
Date Filed: November 18, 1997
Docket No.: A-378D5C

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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Boyle et al.

Serial No.: 08/974,186

Group Art Unit No.: 1632

Filed: November 18, 1997

Examiner: Weitach, J.

For: OSTEOPROTEGERIN

Docket No.: A-378D5C

THIRD AMENDMENT AFTER FINAL REJECTION

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Please amend the application as follows.

In the claims:

E1 ~~49.~~ (twice amended) A method of increasing levels of osteoprotegerin in a mammal comprising administering to [modifying] the mammal [with] a nucleic acid encoding osteoprotegerin, wherein the administration [modification of the mammal with the nucleic acid] results in an increase in the level of osteoprotegerin and wherein the increase in the level of osteoprotegerin in the mammal results in increased bone density.

51. The method of claim 49 wherein the mammal is a human.

E2 ~~52.~~ (twice amended) The method of Claims ~~49~~ or ~~51~~ wherein the nucleic acid encodes osteoprotegerin comprising the amino acid sequence as shown in Figure 9B (SEQ ID NO: 5).

~~53.~~ (twice amended) The method of Claims ~~49~~ or ~~51~~ wherein the nucleic acid encodes osteoprotegerin comprising a carboxy-terminal truncation of the amino acid sequence as shown in Figure 9B (SEQ ID NO: 5).

E3 ~~54.~~ (twice amended) The method of Claims ~~49~~ or ~~51~~ wherein the nucleic acid encodes osteoprotegerin comprising a deletion of the amino acid sequence as shown in Figure 9B (SEQ ID NO: 5) wherein the deletion comprises removal of amino acids from the carboxy-terminus or from the amino-terminus [of the amino terminal leader sequence].

CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being facsimile transmitted to the United States Patent and Trademark Office on the date shown below:

January 10, 2001
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